



Current and Planned Information Technology Projects

The report below presents information management strategies for each of the agency's business areas. Strategies also are presented for associated infrastructure components. Next steps in the implementation of these strategies are identified as current and planned/proposed projects/investments. *Projects shown in bold italics provide enhanced public access to information or services.* The current status of the planning and funding of each project is color-coded as shown below. **Notable issues for selected projects are shown in bold red type in the Comments column.** **Dependencies on projects in lower priority business areas are shown in bold blue type in the Comments column.**

- Planned and funded for current biennium
- Proposed; funding & staffing to be determined
- Not planned in current biennium
- Ongoing

Priority Business Area Investment

Natural Resources										
Manage natural resources data (tabular and spatial) with GIS applications.										
ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
585	Shoreline Aerial Photo Project	Low Low				1-09	6-09	Kathy Taylor	Darby Veeck	Redevelopment of existing Shoreline Photo website
594	Coastal Atlas Redesign and Redevelopment - Phase 1 & 2	Low Medium				7-09	6-10	Kathy Taylor	Darby Veeck	Redevelop the Atlas based on ArcGIS Server technology and prototype design which includes a redesign of technology, interface, links to disparate shoreline information in Ecology and external bodies such as DNR and Puget Sound Partnership)
600	Upper Chehalis River Watershed Characterization.	Medium Low				5-01	7-01	Gordon White	Susan Grigsby	Funded by a US Army COE grant in preparation for flood control projects in the Upper Chehalis basin. GIS Technical Services will be providing support for data preparation and modeling to the SEA program staff.
6	Enhance Digital Coastal Atlas to increase functionality and add data layers.	Low Medium			SEA				Brian Lynn	Loss of project lead, C. R. Donahue.

Environmental Monitoring

Manage environmental data with the Environmental Information Management (EIM) System and the Ambient Air Quality Monitoring System. Administer WOW volunteer monitoring database. Provide interpretive information. (Also see CWA 303(d) and TMDL databases under "Permitting and Compliance".)

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
564	Status & Trends Monitoring - To design a system to act as data repository and provide basic metrics on the health of salmonid habitat. More information	Low Low				6-08 7-08	6-09 8-19	Robert Duff	Elkin Julio	ADS is working with EAP to come with a system to store the data collected as part of Status/Trends monitoring. The project is split into 3 phases - Phase 1 (Requirements Gathering/Analysis), Phase 2 (Design/Construct/Implement) & Phase 3(Adding some basic metrics calculation). Contractor hiring delays; Technology that's totally new the agency; underestimated the effort involved in getting the data from field form to the DB tables;...
531	Exchange Network - EIM to EPA Storet/WQX Data Flow More information	Low Medium				1-09	9-09	Debbie Stewart	John Tooley	Grant funding was extended to 8/31/09 due to lack of EPA readiness. Availability of Subject Matter Experts
595	Water Quality Assessment website and data development for 2010 listing. Includes listings for both Water Quality surface water and TCP sediments.	Medium Low				1-10	6-10	Susan Braley	Daniel Saul	
591	Ecology Water-related Continuous Data Management Solution								Karol Erickson	
375	Groundwater Data Project: Scope, design, and implement a cross-program, agency-level groundwater data management system, leveraging existing systems such as such as EIM and other program data systems.	Low Low						Robert Duff	Balaji Narayanan	Key components of the system might include: 1. A map-based interface. 2. Custom-designed data entry, query, and download tools for easier management of groundwater data collected or assembled by the agency. 3. Custom data graphing and data analysis tools (e.g., hydrograph builder, time-series graphs, statistical analysis tools). 4. Related permit and environmental information. 5. Interface to well construction, well log, water rights, and publication information.

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ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
522	EIM – Tracking System for External Data Submittals	Low						Debbie Stewart	Balaji Narayanan	Develop an EIM module to track the life cycle of external data submitted to EIM. We need instant access to information from multiple sources for sign-off and reporting purposes (for internal and external clients). Specifically, we need to be able to report when data came in to EIM (along with peripheral information) and when we loaded it. Currently, our data coordinators need to look in multiple places to compile this information. It can be very confusing jumping among different EIM systems and emails. We need a system that will populate as many of these fields as possible automatically. This system should also have the ability to interface with other systems such as TCP's ISIS, to be able to compare information like completed data submittals vs. No Further Actions administered (to see how many site managers are following TCP policy). The system should also be able to generate an email (that can be edited) to be sent to the site/project/grant manager and data submitter after we have successfully loaded the data (we currently do this manually using a template I developed). We also need to be able to print reports from the system similar to our current tracking spreadsheet. This project is dependent on the Import Module/Loader merge project (ID: 523) being done. So anticipated start date is Jan 2008. Update 7/08 - High Priority BERS identified by the User Group, Data Model changes supercedes this project. This might be picked up later in the fall/winter 08 timeframe.

Environmental Monitoring

Manage environmental data with the Environmental Information Management (EIM) System and the Ambient Air Quality Monitoring System. Administer WOW volunteer monitoring database. Provide interpretive information. (Also see CWA 303(d) and TMDL databases under "Permitting and Compliance".)

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
603	Scope IT solutions for the Water Quality Assessment data analysis	Low				7-09	11-09	Chad Brown	Chad Brown	Chad is going to write a Project Plan for the scoping portion of this project – you will be invited to review this document. • The Project Plan will call for a bit of IS resources in the form of Balaji and John participating in a small workgroup to help scope this project (Chad is the Project Manager). The scoping project outcome will be an estimate of resources needed to either 1) modify MyEIM or 2) develop a new tool to automate the 303d assessment. Chad's schedule calls for the scoping project to be completed by next spring. Then EAP will look for the necessary resources to implement the project. The tool would be needed (fully tested) fall 2011. 1. Create a flow chart of steps required to perform the state WQ Assessment. 2. Determine what steps can be made more efficient using IT solutions. 3. Scope Ecology staff resources and IT resources needed to perform these assessment steps. 4. Research possible funding sources to perform recommendations that result from this scoping project. Bottom line:
303	-- Implement Equipment Tracking. To monitor the quality of the air requires numerous pieces of equipment; this equipment is located throughout the state and often on loan to other agencies. Federal and state policies require the accurate tracking of equipment. The current system is old and is fails each time a new Window OS or version of MS Acess is implemented. More information	Low Low			EPA Grant	3-09		Phyllis Baas	Kathy Sundberg	8/24/06: Included in NWADES project Solution not in vendor proposal; AQP IT staff are undertaking
477	EAP Project Tracker/Study Tracker	Low								

Facility/Site Activities and Releases / Permitting and Compliance / Regulatory and Voluntary Assistance

Manage permit and compliance data with program-specific systems linked from F/SID via "interactions" (assumes standards for a minimum data set, common web-based technology to facilitate links, etc.).

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
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ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
593	High Level Data Warehouse Design & self-service analysis and reporting for Ecology staff; Phase 1	Low Low				7-09			John Tooley	Scope limited by funding outlook
629	Agency Affiliations Database Application (Persons, Business, & Organization contact and roles) Phase 2- Data Migration More information					7-09	12-09	Debbie Stewart		Follow up to project 590 Dependent on Affiliations services being available in production, and cleaned affiliations data from contributor programs
281	Implement Air Quality Permitting	Medium High								See Sub-projects
32	-- Develop Internet-based maps of agricultural burn locations	Low Medium			EPA Grant		6-05 7-07	Grant Pfeifer	Karen Wood	08/31/06 - Impact rating was changed from High to Medium to be more consistent with ratings of other Ecology projects. Dependent on Burn Permit System being complete
296	-- eBurn Permit Applications. Develop on-line application for burn permit fees.									
33	E-Payment for AQP fees. (ID: 281)				Air					Requires enterprise e-payment strategy before e-payments can be implemented Requires enterprise e-payment strategy before e-payments can be implemented (C37)
310	-- Web Based Point Source Emission Inventory-would allow local agencies and Ecology staff and optionally, industry, to report emission inventories in a clear and convenient format. More information	Medium Low				5-09	12-09	Jeff Johnston	Charles Pierce	The Emission Inventory database currently exists as approximately 220 files in 38 folders on the Y:/drive of an agency networked server. These files are mainly MS-Access databases and MS-Excel spreadsheets. While these files are well organized and accessible, each year of data is stored in a diferent database making analysis of data across years more dificult. Risk = 2 Severity= 1 Level 1
337	-- Air Toxics Emission Inventory--Incorporate toxics emission inventory in to isystem-would allow local agencies and Ecology staff and optionally, industry, to report emission inventories in a clear and convenient format.									
311	-- Area Emission Inventory-compile in a database assessible to all who need it							Phyllis Baas		

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ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
329	-- Comprehensive motor vehicle emissions-Tracking/management system (replacing some of the old I/M system stuff, but tailored to today's needs and tomorrow's s needs). (288)									Proposed by Grant Pfeifer
338	-- Applus Data Warehouse and Reporting System - AQP receives emission check data from Applus and loads it into a database. A user application/tool that allows users to develop and run adhoc queries and reports with out having to learn programming is needed.									
473	Evaluation of Lab Accreditation Software tracking system.	Low Low				7-06 7-06	12-06	Stew Lombard	Stew Lombard	Oregon and Minnesota are jointly developing a software tracking system from Lab Accreditation. Both Oregon and Minnesota operate similar offices for Lab Accreditation as Washington, and the Ore/Minn software may offer more capabilities than the software WA is currently using. The software is available without charge as it is developed by Ore/Minn employees. After initial evaluation, and a recommendation to move forward, a project plan following agency guidelines is to be developed. Software is in full use with all modules in Oregon. Minnesota is in production with basic modules, opening access to more modules as testing completes. Minnesota is scheduled to be using all modules by Oct 2006. Compliance with Lab Accreditation business requirements. Compliance with Agency standards and Agency application integration efforts.
572	TurboWaste - upgrade the TurboWaste.Net application so it is CROMERR/SAW compliant	Low Medium						Jean Rushing	Jean Rushing	
573	TurboWaste - modify the application to accomodate changes made in the re-development of Facility Site.	Low Medium						Jean Rushing	Jean Rushing	

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ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
643	TRIDex - continued maintenance of the application. TRIDex contains the Toxics Release Inventory reports received by the Department Ecology for the Washington State Emergency Response Commission via the data exchange network.	Low Low							Diane Fowler	
644	EPCRA Tracking System - continued maintenance for the application including Tier Two On-line. This information is collected and managed by the Department Ecology for the Washington State Emergency Response Commission	Low High	35,000		HWTR	7-09	6-11		Sadie Whitener	
639	Local Source Control Re-Design with money from STAG grant. Turn the access database into a web application for internal and external use.	Low Medium						John Ridgway	Ed Bentley	
632	SEPA	Low Medium				7-09 7-09	4-10	Annie Szvetcz	Del Christensen	Replace MS Access data entry application Public Web site for SEPA register documents needs upgrade into ASP.net. The web application and SEPA Register database needs to be created and maintained on ECY servers and no longer at DIS. DIS db and app servers SQL 2008 .net 3/3.5
324	Aquatics Project Tracking System enhancements	Low Medium				7-04 10-05	6-11	Wendy Bolender	Del Christensen	The security framework for Aquatics has been upgraded to work with the CASA Security Web Service. The Aquatics application has been upgraded to be able to bring in Facility Site ID numbers now that F/S data has been migrated to SQL database servers. The application is now hosted on an Agency application server. Frequent crashes of the system due to the application's worker process being recycled, resulting in loss of a user's session. CASA SQL 2000
40	Redevelop Shoreline Permit Tracking System (SPTS)	Low Low	163		SEA	1-07 6-08	1-10	Wendy Bolender	Del Christensen	This project replaces an Access application and creates a .net web-based application using a SQL database. SQL 2008 SQL Reporting Services 2008 .Net 3/3.5

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482	UIC Intranet/Internet registration System	Low Low				6-06 9-06	12-06 12-06	Stephen Bernath	James Jones	Develop a web based system to capture and mamnage new and hostorical data for Underground Injection Control (UIC) well registration. The system should provide both internal data management and reporting capabilities as well as internet well registration, report and data sharing capabilities.The new system will include a bulk data bulk upload process to validate and upload to the production database large volumes of data received from well registrants.
483	401 Hydropower Process tracking System	Medium Low				12-05 10-06	6-06 2-07	Dave Peeler	James Jones	Design and develop an intranet system for WQ HQ and regioanl staff to capture, manage and report on FERC hydropower facility data. Create direct links to the ORA database so additions ot chnages to FERC data via the WQ system can be reflected in the ORA system as they are made.
51	Provide Internet access to WPLCS data with query capability	Low Medium		0.20	WQ			Stephen Bernath	Nancy Winters	Project Scoping and workload allocation. This project will begin after the completion of WebWPLCS project. 08/31/06 - Risk rating was changed from Medium to Low to be more consistent with ratings of other Ecology projects.

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55	Modify WPLCS for construction stormwater permits	Low Medium		0.20	WQ	8-03 9-05	6-04 10-06	Stephen Bernath	Rohit Singh	The project proposal to incorporate the Construction Stormwater General Permit (CSWGP) module into the WPLCS system approved in June, 2006 is nearing completion. The WPLCS system has been enhanced and is now operational to handle the following new requirements: Complete permit holder, site owner, and site information which also consist of name, title, phone number, cell number, fax number and email address. Different application types for transfers, partial transfers. (i.e. common plan of development) Cubic yards of concrete, recycled concrete and engineering soils. Date, measurement, caller, phone number, action and follow up for the non-compliance submittals. Daily DMRS. Treatment BMPs. For PH if it is listed 303(d) and go over the benchmark then the it becomes a limit. Copy limit to have first & last measurement date. Upload of permit information to WPLCS. With the new E-application successfully implemented for the renewal application, the updated information from this database has to be uploaded into WPLCS Tasks Status 1. Add new fields and tracking codes (build database requirements) Done 2. Load Renewal database information Done 3. Change all construction stormwater permit permits from SO3 to WAR number Done 4. Fix all reports to recognize the new WAR number Done 5. Change all active permits to new permit recently issued Done 6. Permit limit setup – a. For 1 or more acres, but less than 5 acres b. For 5 or more acres Done 7. Changes to the wplcs compliance - NON DMR Done 8. Changes to the wplcs compliance - DMR Done 9. Change mailing address criteria and rebuild report Done 10. Report to retrieving monitoring description, BMPs & daily information. 11. Changes per turbidity background, discharge & difference
56	Redevelop RITA (regulatory portion of whole effluent toxicity (WET) tests)				WQ	7-03		Melodie Selby	Dewey Weaver	To be done by contractor
57	Redevelop OPSCERT (wastewater treatment operators certification)	Low Low			WQ	1-07	6-07	Nancy Winters	James Jones	Relationship to project 315???

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316	Financial Tracking Tool Application	Low Low						Steve Carley	James Jones	Database to track JLARC related information. mAn evaluative tool to judge risk of loans is being scoped.
417	Water Right Database Enhancement (align with agency architecture and put on the Internet) More information	Low Medium		2.00	Other	7-07 11-07	6-10	Ann-Marie Sweeten	Jeremiah Miller	Legislature approved March 2007. Investment Plan approved by DIS 11/2007. Working on 'Edit/View' Screen. Project behind schedule due to staff vacancy.
441	Well Construction and Licensing System (Integrate existing well databases and add features) More information	Low Low	262,000	2.00	WR	7-07 10-07	6-10	Doug Johnson	Phuong Huynh	2007 Legislature approved IT Pool funding contingent on DIS review. Investment plan approved by DIS 09/2007. Since funds are already being collected from a raise in Well Construction fees, stakeholders are expecting a more efficient way to submit information required by the Department, and a more user friendly approach to licensing information. There is also a concern about meeting regulation requirements for timely submittal of well reports and Notice of Intent forms by well drillers. Regional offices are reaching maximum storage capacity for documents retained for well construction. Regional offices have also reached maximum workload capacity for the scanning and entry of well reports and Notice of Intent forms. Well data is stored in several separate databases that are not fully linked; seeing recorded water allocations and water availability still requires extensive research and manual compilation of data, paper documents, and images. Notice of Intent electronic forms are in use by Well Drillers. Working on Webmap, electronic well log report and other project requirements. GIS contractor working with us until December 2009.

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ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
571	Water Adjudication System: Build a system to support water adjudications. This will replace the existing AS/400 adjudications system.	Low Low				7-09		Ben Bonkowski	Eric Lindberg	The system will track all data and activity related to an adjudication, and produce all legal documents required by the court. The general public could also access information about an adjudication's status and file certain legal documents via the Internet. Claimants could access information about their specific claims and be notified about court actions affecting them. The interface will be modern and easy to use. Project not funded by Legislature, but Spokane Adj approved. Looking at ways to start Phase 1 of the Adj System with base level funds and a partial budget request. Shares data structures with the Water Right database and other Water Resources subsystems.
416	Dam Safety (Redevelopment from Access to agency architecture) More information	Low Low		1.00	WR	1-10	12-10	Doug Johnson	Jeremiah Miller	This project did not start on schedule due to staff shortage. Ed Young is conducting needs assessment for the new system and supporting existing system. Redevelopment is driven by diminishing support for MS Access application code dependencies (DAO?) used in existing solution. Propose redevelopment in .NET with C#, ecology application architecture, and ASP.NET front-end. Existing system is connected to new Facility/Site on SQL Server. System is used to create required federal annual report.

Enforcement

Manage enforcement docket information

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
588	Toxics IT Strategy									Placeholder for Toxics IT strategy included with HWTR Increase Compliance and Enforcment 09/11 decision package.

Time Management / Accounting

Time Management / Accounting -- Manage time accounting information with the Time Management System (TMS) with links to AFRS (OFM systems). Nuclear Waste Program also uses Project Planning System with real time variance reporting. Support leave request/ approval process with a routed electronic form (ALF). TMS and ALF are expected to be replaced in the future by the new Human Resource Management System (HRMS) (DOP system).

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
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Time Management / Accounting

Time Management / Accounting -- Manage time accounting information with the Time Management System (TMS) with links to AFRS (OFM systems). Nuclear Waste Program also uses Project Planning System with real time variance reporting. Support leave request/ approval process with a routed electronic form (ALF). TMS and ALF are expected to be replaced in the future by the new Human Resource Management System (HRMS) (DOP system).

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560	Time Management Data Entry Tool	Low				9-09 9-09	4-10	Lisa Darnell	Kevin Barbee	Requestor - Stephen Bernath - WQ Overall Vision: Create a means to enter timesheets that eliminates double entry of employee hours worked and saves employees time. Scoping team being built 3/4/09. K. Barbee Scoping Complete 4/30/2009 K. Barbee Chosen for implementation 7/31/2009 K. Barbee

Revenue Generation

Support the billing and revenue tracking function for fee programs with the Billing and Revenue Tracking System (BARTS). Support e-payments via electronic fund transfers, e-checks, and/or credit card payments.

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
490	Accounts Receivable Redevelopment (Retire Contractor built Access System)							Pat McLain		Scoping Completed - ~12 month project Replace current Accounts Receivable System: The current Accounts Receivable System is an Access Database that was developed by Daniels Consulting in the early-mid 1990's. It was designed to meet basic accounts receivable tracking and aging needs for Ecology, in order to be in compliance with OFM policies on receivables. It was not designed to be a management reporting tool to analyze the performance of receivables. We are currently not easily able to answer many of managements' questions about receivable performance over the long term. A decision needs to be made about moving it to another platform or re-writing it in software or do whatever needs to be done to ensure that Ecology has at least a basic receivables system that is in compliance with OFM policy. Ecology Applications and Data Services has taken over of the maintenance of the existing Access database. The vendor was no longer able to adequately support the application. K.Barbee 10/30/08
256	Develop e-Payments Solution for Internet-based applications	Medium			AS			Pat McLain	Kevin Barbee	Vision: To provide an agency-wide, cost effective electronic method of accepting payments from customers via the internet. Fiscal is completing OFM-required paperwork. K.Barbee 11/19/2008. Scoping Team being built 3/4/09. KB. Scoping complete 5/6/2009. Feasibility study not complete. K. Barbee

Other Business Area Investment

Incident Response

Manage environmental report ("complaint") information with New Environmental Report Tracking System (NERTS) (supports spill response function). Track vessel data with the Marine Information System (MIS) (supports spill prevention function). Track storage tanks and inspection information with new system (supports spill prevention function). Document Geographic Response Plans (GRPs) and drill schedules and results (supports spill preparedness function).

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
504	Geographic Response Plan Data/Map Updates and Web Application	Low Low				7-07	10-08	John Williams	Liz O'Dea	Critical Path - Spills migration of database and web application to production
579	Oil Transfer Location mapping	Low Low				1-09	6-09	Diane Butorac	Daniel Saul	Web map application showing activity of Oil Transfers state-wide. Opportunity to integrate the oil transfer location information into Facility/Site.

Site Cleanup

Manage site cleanup information with the Integrated Site Information System (ISIS). Manage sediments information with SEDQUAL. Manage Hanford site cleanup information with USDOE systems.

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
566	Integrated Site Information System (ISIS) Redevelopment <u>More information</u>	Low Low	50 320		TCP TCP	1-08 1-08	2-10	Jim Pendowski	Wayne Allenton	The ISIS Redevelopment project consists of a complete redesign of the ISIS database to incorporate changing business conditions and requirements. A fundamental component of the new system is the vision to make the system internet based so that sub-systems can be made available to the public. Some examples include the ISIS Web Reporting portal which continues to be expanded; the ISIS Map Search sub-system which will allow for tabular or map-based searches; the Document Search and Retrieval System (DSARS) which will allow for the storage and retrieval of site cleanup documents using an internet portal. The new system will also include a wizard-driven approach similar to popular online tax programs to capture critical cleanup site status information from TCP site managers.

Site Cleanup

Manage site cleanup information with the Integrated Site Information System (ISIS). Manage sediments information with SEDQUAL. Manage Hanford site cleanup information with USDOE systems.

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
635	Underground Storage Tank (UST) 'Tank Helper'	Low Low	75	1.00	EPA Grant TCP	6-09 6-09		Mike Blum	Yesim Graves	The Underground Storage Tank (UST) 'Tank Helper' application will capture information from gas station owners relating to their underground storage tanks. It will collect detailed information regarding the construction, piping and leak detection technologies and develop a operation and maintenance plan for the gas station owner in an effort to prevent future releases of petroleum products into the environment. This project is funded by an EPA grant. EPA is asking the states to develop this appliaction as part of a training program for UST owners and operators.
636	CLARC Enhancement and EIM Integration	Low Low	40	0.50	EPA Grant TCP	1-10		Dave Bradley	Nagesha Kannadaguli	The CLARC Redevelopment project will expand upon the current web-based system to include automating the update of key cleanup parameters when input parameters are updated. A key component of this project will be the integration of the CLARC database with the EIM database. The project is slated for initial scoping in January 2010, and has been partially funded by the State/Tribal Response Grant from EPA.
637	-- ISIS Phase 2 - Underground Storage Tank (UST)Redevelopment	Low Low	100	2.00	EPA Grant TCP	4-10	3-11	Jim Pendowski	Wayne Allenton	The UST Redevelopment project is the second phase of the larger Integrated Site Information System (ISIS) Redevelopment effort. This project will convert the existing UST sub-system in the current ISIS client/server system developed in Powerbuilder to a web-based system developed in agency-standard .Net technologies. The new UST components will continue to integrate with the ISIS system as well as tie into new applications developed for ISIS such as the Document Storage and Retrieval System (DSARS) and the ISIS Map Search application.

Litter Cleanup

Support Ecology Youth Corps activities with database.

** No projects for this business area **

Recycling

Support hotline and web site with 1-800 RECYCLE data base

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
631	E-Cycle Washington registration system - provides for the registration and management of Manufacturers, Collectors, Transporters and Processors of electronic products covered under Washington's electronic recycling law. (449) More information	Low				4-09 5-09	12-09	Margo Thompson	Craig Gilley	This is essentially a replacement, or version 2, of the existing Electronic Products Recycling application. It includes needed modifications to the data model to allow more accurate and reliable tracking of activity.

Human Resource Management

Manage employee data with the Employee Plus Information Computer (EPIC) System with links to HRISD (DOP system). In the future, HRISD will be replaced by the new HRMS; it is unknown at this time what impacts HRMS will have on the use of EPIC.

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
509	Automated Personnel Action Form & Workflow System - Centralized data store with standardized field values and types visible to managers and everyone entering and tracking Personnel Action information.	Medium				1-10		Joy St Germain	Kevin Barbee	Overall Goal: Design and implement an integrated agency-wide system to efficiently process Personnel Actions and store and retrieve information on Personnel Actions. Scoping Team being built 3/4/09. K. Barbee Scoping complete 5/12/2009 K. Barbee Chosen for implementation 7/31/2009 K. Barbee
633	WCC Online Application	Low Low				8-09 8-09	3-10	Marcee Peterson	Del Christensen	WCC staff need a basic web-based app to view online applications received. SQL 2008 SQL Reporting Services 2008 .net 3/3.5

Contract Administration

Manage contracts information with Contracts and Grants Payable System (C&GPS).

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
241	Ecology's participation in the Statewide Contracts, Grants & Loans Management System Redevelopment More information	Low Low		2.00	AS	7-05 8-08	6-09	Pat McLain	Daniel Scavezze	Last Milestone: Service Level Agreement for GIS services signed - 6/08 Next milestone: Agree on data elements for ELTS interface - scheduled 10/08 Overall project management is being handled by OFM. Ecology project management is focused on ensuring operation with existing Ecology systems - GIS Location Finder, and ELTS (Ecology Loan tracking System)

External Reporting and Outreach

Support development and distribution of news releases with new system. Support maintenance of agency-level events calendar with new system. Support tracking of executive correspondence with the public through Enhanced Correspondence Tracking System.

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
599	Toxics Loading Portal Web Site and Database More information	Low	60		EPA Grant		12-09		John Tooley	EPA grant funding phase 1 of the project Entered as ADS project due to application permission, this should be C&E project

Interested Party Involvement

Support the public review and response process for proposed rules and other key documents with a new system.

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
74	Develop e-Comments System	Low Medium						Jerry Thielen		Staffed by EAP in 99-01; resources for further development and ongoing maintenance/support TBD. e-Comments would facilitate internal and public review of draft documents and preparation of responsiveness summaries.
47	Workshop On-Line Fee Payment: Develop e-form for meeting registration and accepting on-line fee payments.	Low Medium			HWTR			Robyn Crawford	Jean Rushing	Requires enterprise e-payment strategy before e-payments can be implemented

Program Coordination and development

** No projects for this business area **

Regulatory Planning and Administration

** No projects for this business area **

Information Management

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
506	Photo/Image Management System - Implement a repository information system for storing, searching, and managing photos and images used in Ecology's business. More information	Low Medium				7-08 6-08	6-09	Carol Fleskes	Daniel Scavezze	Last milestone: Kickoff meeting with ECY and contractor - 6/19/2008 Next milestone: First installation at ECY - scheduled 8/18/2008 First phase installation completed 9/2008; Next phase on hold

ID	Project Description	Risk/	Non-Staff		Fund Source	Start Date	End Date	Project	Project	Comments
		Impact	\$ (1000s)	Staffing		Schd/Actl	Schd/Actl	Sponsor	Manager	
597	Puget Sound Exchange Network Grant Activities	Low				10-08	9-10	Josh Baldi	John Tooley	Ecology's participation in Puget Sound Exchange Network Grant such as: 1 Provide consultation to other Partners on deployment of Exchange Network Nodes and Clients. 2 Work with the Puget Sound Partnership and the Implementation Team to determine the best target flows, possibly including those for enhancement with GeoRSS GML. 3 Facilitate the support and incorporation of geo-processing within the Puget Sound Partnership client application. 4 Flow existing water quality data to the Puget Sound Partnership client application. 5 Provide reasonable consultation to Puget Sound Partnership (or its designated partner) on interpretation and application of the data. 6 Provide consultation to Puget Sound Partnership in assessing the priority and applicability of other Department of Ecology data sources for exchange.
		Low				2-09				
537	-- Convert ALL MS-Access databases to MS-SQL databases; connect existing application to SQL database	Low Medium								

Information Management

Manage permit and compliance data with program-specific systems linked from F/SID via "interactions" (assumes standards for a minimum data set, common web-based technology to facilitate links, etc.).

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
345	-- Electronic Data Transfer System for the School Bus Check-up Program-- Write a PDA program in a reporting format to collect scanned Bus ID data, and manually entered safety and opacity data. The program will produce a flat data file that can be ported to the OSPI server. Many PDA scanners contain MS Office software, including an Access database. We intend to purchase user friendly models that require minimal programming.									Project Description: As part of the Washington State Patrol's (WSP) annual safety inspection program for school buses, the WSP inspectors measure the opacity of the tailpipe exhaust. (Our I/M program measures opacity on school buses in our I/M areas.) Safety inspectors manually record the opacity data on their paper inspection reports. The inspection reports are transferred to the Office of Superintendent of Public Instruction (OSPI), and the opacity data is manually entered into OSPI's school bus database. Using funds from our Washington State Clean School Bus Program, the AQ Program would purchase Personal Digital Assistants with scanning capability and a barcode printer. OSPI would print barcodes with bus ID data to be placed on each school bus. WSP would scan the barcode to digitally enter the bus ID data. WSP would manually enter the additional safety inspection data and opacity readings into a PDA. Data from the PDA would be ported to a laptop computer. Data from the laptop computer would be ported to the OSPI server. OSPI would produce an annual emissions report on each school bus. Based upon these opacity tests, our I/M staff will work with OSPI and the school districts to reduce school bus emissions by improving school bus maintenance. Submitted by Mike Boyer
476	Inventory EAP Access databases and applications	Low Low				8-06 8-06	6-07	Bill Kammin	Warren Opfer	EAP Program Management has included an inventory of Access db and apps as part of the IT Strategy for 2007. The purpose is to move toward a coordinated and integrated data strategy for the program and to address risk of loosely managed databases. An inventory will collect information on how to coordinate data and identify how program units are protecting and securing data. Data coordination and integration Data protection
574	SharePoint Sites for Clark and Northern Counties. This will be set up when Sharepoint 2007 is released in the fall/winter of 2009/2010.	Low Low						Sharon Huff	Ed Bentley	

Information Management

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
640	RSVP (Revised Site Visit Program) continued maintenance of the application. RSVP is a tracking system for visits to site's that do not have a RCRA Site ID#.	Low Low							Ed Bentley	
641	P3 Reports/Loader - continued maintenance of these applications. P3 reports is where pollution prevention plan data is stored. P3 loader is the tool that loads in the plan data.	Low Medium							Ed Bentley	
642	P3 Tracker - continued maintenance of this application. P3 Tracker is an internal application that is used to track the submittal of Pollution Prevention Plans	Low Medium							Mariusz Twardowski	
41	Modify/update HWTRInfo. Scope changing the application from MS Access to .Net.	Low Low		2.00	HWTR			John Ridgway	Ed Bentley	Updates to the HWTRInfo system and development of data cubes, using OLAP.
44	PPIP (aka TurboPlan): Create on-line application for Pollution Prevention Planning (700 customers). Consider getting NEIEN grant money for this work. This system would replace P3 Tracker, P3 Reports and P3 Loader.	Low Medium	10	1.50	HWTR			Tom Boucher	Ed Bentley	Scoping improvements to database & electronic reporting tool for 700 facilities required to submit P2 Plans. Scoping might lead into a redevelopment project.

Infrastructure Investment

Desktop Computing

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
614	Provide support and maintenance for agency large format printers (plotter)	Low						Daniel Saul	Mike Woodall	
630	Verdiem Power Management Removal and replacement Options. Verdiem is not cost effective and has issues with bringing laptops out of standby mode and too much administration for the power savings gained. More information	Low Low				5-09	1-10		Ginnie Schiendelman	Our current maintenance agreement with Verdiem ends 2/1/10. We have not found the software to save us money and it is not cost effective. Team brought together to plan the un-install and possible software replacement or use windows settings

IS Help Desk

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
479	Determine what software or process agency will use to replace aging ImageCast Server. Older software which supports imaging of agency desktop and laptop computers with approved software. More information	Low Medium						Daniel Fears	Adam Palomarez	For past 8 years, IT staff at HQs have depended on an ImageCast Server to image all new computers prior to their release to desktop support staff for final setup. Ecology replaces computers every four years. This same ImageCast server is used to reimage existing computers when they experience hardware or software failure, which requires a clean software installation. ImageCast software is no longer supported by manufacturer. No revisions of software available. Decision as to how Ecology might use newly released Microsoft programs, specifically related to deployment and imaging of all computers and servers. 08/31/06 - Risk rating was change from Medium to Low and Impact rating was changed from High to Medium to be more consistent with ratings of other Ecology projects. Desktop support staff have insufficient time to do ground-up installation of computers. Without a system in place to image standard software onto hard drives, desktop support staff would not be able to reasonably schedule or handle the agency's computer replacement cycle.

Messaging

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
562	Email Archiving	Low				10-07	12-08	Carol Fleskes		Project will archive email at DIS so that it can easily be stored and retrieved. We will have to move PSTs from the desktop to a common storage area. It will change how Ecology staff manage their email. DIS will lead the project

Minicomputers / Operations

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
638	Install SharePoint 2007 infrastructure and migrate SharePoint 2003 and WSS 3.0 sites to new infrastructure.	Medium Medium				7-09 7-09	10-09	Debbie Stewart	Bob Monn	

Network Infrastructure

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
626	Desktop security support - includes Vipre and other anti-malware products. Includes maintenance, scanning, removal of infections and other support related issues. Also includes consultation on new software deployments.	Low Medium							Jim French	
627	Printer and faxination support - Ongoing support maintenance and troubleshooting for agency print servers and faxination.	Low Medium							David Hovik	
619	HQ Building switch upgrade - Replacement of Lacey building network switches.	Medium Low				7-09	12-09	Debbie Stewart	Bill Gebo	
620	Network event monitoring, management and response system. Cisco MARS	Low Low				1-10	1-11	Debbie Stewart	Jim French	
411	Intrusion Detection System Project - Research tools and methods to detect and respond to network intrusion incidents.	Low Medium				7-09	12-09	Carol Fleskes	Jim French	

ADS Infrastructure Activities

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
524	Explore "web enabling" the EIM Editor system to internet Ecology data collection partners.								Balaji Narayanan	Needs scoping.
586	Standard GIS Components for Agency Web Applications	Low Low				6-08	10-08	Debbie Stewart	Daniel Saul	Work with interested agency staff to determine a set of standard GIS components for Web Applications. The idea is that agency web developers would have the ability to plug these components into their application with minimal configuration. There are three components planned: 1) Standard Base Map which programs can draw their data on top of and utilizes map caching technology for rapid response time. 2) Standard map interface appearance, behaviour and components. 3) Standard geometry insert/update/delete component.
587	-- EPA Cross-Media Electronic Reporting - Solution Set Design, Development & Implementation	Low Medium				1-09 1-09	7-09	Debbie Stewart	Miles Neale	Approval of the CROMERR Checklist by EPA CROMERR is a service that is added to other Ecology Systems and does not stand on its own.

ADS Data/Database Administration

Provide enterprise data/database administration services

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
590	Agency Affiliations Database Application (Persons, Business, & Organization contact and roles) Phase 1 More information	Low Low				3-17 4-01	7-09	Carol Fleskes	John Tooley	This project is an outgrowth on the Facility/Site 2008 project. Though the affiliations (admin) UI and the server controls have been deployed to production it's still waiting for the first system to consume the controls/services and go live. Possible early adapters are Dam Safety (WR), PARIS (WQ) systems. Several IT projects are dependent upon the successful implementation of this system
516	<i>Developing a Data Integration Framework for Puget Sound Initiative</i> More information	Low Low				12-07	6-09	Josh Baldi	John Tooley	The focus of the work effort will be to: Contribute to development, coordination, and completion of information system assessments; Understand and document content, business and system needs of Puget Sound information collectors and users; Contribute to development of information management solutions and designs that will help establish a PSEIF; Work collaboratively in a multi-discipline environment with project and program managers, scientists, other information system specialists, and the public from state, federal, tribal, and local jurisdictions, as well as non-governmental organizations; Under direction of a policy body (identified below), give periodic briefings and presentations on progress, prepare a report that includes:

ADS Geographic Information Systems (GIS)

Provide enterprise GIS infrastructure and services through implementation of GIS Strategy*, etc.

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
525	Redesign Internet/Intranet GIS pages to fit revised Internet site look and behavior	Low Low					6-09	Bob Monn	Darby Veeck	
426	<i>Washington Location Finder Project</i> More information	Low Low				10-06	10-10 10-10	Debbie Stewart	Daniel Saul	EPA Grant Funded EPA Grant funding

ADS Geographic Information Systems (GIS)

Provide enterprise GIS infrastructure and services through implementation of GIS Strategy*, etc.

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
501	National Hydrography Dataset (NHD) and Pacific NW Hydrography Framework (PNWHF) liason, data model development and stewardship activities.	Low Medium				4-07		Carol Fleskes	Rick Jordan	Ecology is committed to migrating to the use of the NHD regardless of the outcome of the Common Hydrography Project. Development of MOU and working relationship between PNWHF and NHD National - done Level of effort to synchronize PNWHF dataset with NHD - done Evolution of relationship between WA State agencies and PNWHF
502	Water Quality Standards GIS Data Development	Low Low				7-07	12-08	Susan Braley	Rick Jordan	Follow on to EPA Grant work to migrate WQ standards to Pacific Northwest Hydrography Framework and NHD WQP workload will impact the development of the WQ Standards DB WQ Standards events will be migrated to the NHD as part of this project 1) Completion of the 1997,1993,2006 WQ Standards routing, and development by WQP of a Standards database. 2) Completion of the NHD for Washington state 3) Maturity of the Event Migration and/or Hydro Event Management tools
596	Washington State Common Hydrography Project Phase 2.	Low Medium				9-09	6-10	Daniel Saul	Rick Jordan	The deliverable from this project will resolve all differences between the three stream layers managed by the state regulatory agencies, and the NHD will be modified to reflect the results. The focus of the project will include two or more subbasins, which all three agencies agree are of critical value to the resources they manage (ESA listed fish, permitting, fish management, land-use reviews, water quality, non-point-source runoff, dam management, and forest management). Dependent on obtaining a grant from the USGS. USGS grant (\$50K) and DOH funding (\$50K) obtained for year 1 of Phase 2.
589	Washington Ortho Imagery Portal - Phase II	Low Low				8-08	6-09	Carol Fleskes	Darby Veeck	Activies: Add county photography projects from DOT & DNR DIS will implement dev/test environment Develop governance structure
592	EIM - Migrate 'Skipper' Batch Geoprocessing, data administration, and reporting functions to current technology								Daniel Saul	Will evaluate when EIM is migrated to 2008

ADS Geographic Information Systems (GIS)

Provide enterprise GIS infrastructure and services through implementation of GIS Strategy*, etc.

ID	Project Description	Risk/ Impact	Non-Staff \$ (1000s)	Staffing	Fund Source	Start Date Schd/Actl	End Date Schd/Actl	Project Sponsor	Project Manager	Comments
625	Geospatial Information Sharing	Low Low						Debbie Stewart	Daniel Saul	Includes such activities as WAGIC meetings, ESRI User Conference attendance, Shared Geospatial Services, etc.
598	Build a statewide Stormwater Drain Network GIS layer.	Low Medium				7-09	6-10		Daniel Saul	Acquire and merge stormwater drain network data from local governments into a statewide layer.
601	Puget Sound Watershed Characterization	Low Medium				7-09	6-10	Gordon White	Susan Grigsby	Funding is to come from a PSP grant. SEA is asking for GIS Technical Services support for spatial data preparation and support for automating modeling and analysis.
602	Agency LIDAR data repository project scoping	Low Low				5-09	9-09	Daniel Saul	Richard Kim	The intent is to create and populate a repository to store all agency acquired LIDAR data in a central, standardized location.
581	ArcGIS Explorer implementation within the agency	Low Low				9-08	12-08	Debbie Stewart	Darby Veeck	Determine optimum method to implement ArcGIS Explorer application for agency wide use and implement
584	Water Quality Standards ArcReader project and/or Web Map application	Low Low				1-09	6-09	Sharon O'Connor	Daniel Saul	
578	WQ TMDL Mapping data and application development	Low Low				10-08	3-09	Dustin Bilhimer	Daniel Saul	Develop data for mapping TMDL project boundaries and display in ArcReader and/or web map application.
604	Facility/Site Atlas Reitrement - Full functionality built into new Fac/Site applications	Low Low				4-09	10-09	Debbie Stewart	Ewan Whitaker	
612	Wetlands Inventory Image Classification					7-09	6-10	Michelle Wilcox	Daniel Saul	ADS GIS support of the Mitigation That Works - No Net Loss wetlands acreage tracking to be conducted by the SEA program. Award of a \$70,000 EPA grant request to fund the NOAA Coastal Services Center to produce a customized Landsat Thematic Mapper image classification to identify wetland areas.
196	AgBurn Map Internet - Inform public at risk of respiratory impacts of field burning	Low Low			Air			Stuart Clark	Darby Veeck	

Acronyms

The following is a listing of several acronyms used in this document:

AS	Administrative Services Program
CA	Cost Allocated
COP	Certificate of Participation
EAP	Environmental Assessment Program
HWTR	Hazardous Waste and Toxics Reduction
JLARC	Joint Legislative Audit and Review Committee
NA	Not Applicable
SIP	Savings Incentive Program
SPPR	Spills Planning, Prevention, and Response Program
SRF	State Revolving Fund
STCA	State Toxics Control Account
SWFAP	Solid Waste Financial Assistance Program
TCP	Toxics Cleanup Program
USEPA	US Environmental Protection Agency
WQ	Water Quality Program
WR	Water Resources Program
WSDOT	WA State Department of Transportation